



HUNTER
CONTINUOUS INSULATION

Hunter Panels Xci CG

Polyisocyanurate Insulation Manufactured On-Line to Coated Glass Facers

DESCRIPTION

Xci CG is a high-thermal rigid insulation panel composed of a closed cell polyisocyanurate foam core manufactured on-line to premium performance coated glass facers on both sides. It is designed for use in commercial wall applications to provide continuous insulation within the building envelope.

PREMIUM PERFORMANCE ATTRIBUTES

- Polyiso offers increased R-value per inch vs mineral fiber, XPS or EPS options
- Designed for use in continuous insulation to assist in meeting the most current ASHRAE 90.1, IECC, IBC and IRC standards
- Manufactured with NexGen Chemistry: Contains no CFCs, HCFCs, is Zero ODP, and has virtually no GWP
- Provides improved dimensional stability, fire performance and resistance to mold growth

APPLICATIONS

- Provides continuous insulation (ci) for standard wood frame, FRT wood frame, steel stud, CMU and concrete exterior wall constructions
- Compatible with numerous claddings/finishes: masonry, fiber cement, stucco, terra cotta, mcm, metal, natural stone, stone aluminum, EIFS
- Suitable for many commercial wall assemblies

Note: Xci CG is not suitable for exposed interior applications.

PANEL CHARACTERISTICS

- ASTM C 1289 Type II, Class 2 Grade 2 (20 psi) or Grade 3 (25 psi)
- Available in 4' x 8' (1220mm x 2440mm) panels in thickness of 1" (25mm) – 4" (102mm)
- Other sizes are available upon special request – (for example: 16" or 24" width)

CODES AND COMPLIANCES

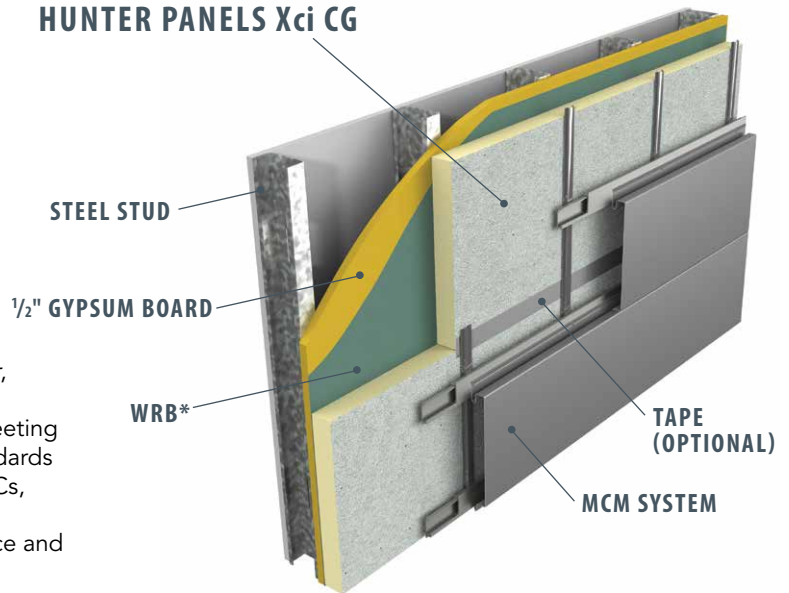
- ASTM C 1289
- IBC Chapter 26 and IRC Section R316
- NFPA 285 passed, contact Hunter Panels for details
- DRJ Technical Evaluation Report 1402-02
- Miami Dade County Product Control Approved
- California Title 24
- California Bureau of Furnishings and Home Insulation
- **UL Classified for use in Canada**
 - Refer to UL Director of Products Certified for Canada for more details
- CCMC 13460-L
- CAN/ULC S-704 Type 2, Class 2



WRB

The incorporation of Weather Resistant Barriers (air, vapor and moisture) is a critical element of a wall assembly. A design professional familiar with local code requirements should specify the selection and placement of any WRB. Furthermore, it is recommended that a hygrothermal analysis of the proposed assembly be conducted to determine the type and locations of a proposed WRB. Note: The NFPA 285 fire test is an assembly test. The performance of the WRB must also be considered. Please consult Hunter Panels for details and specifications.

HUNTER PANELS Xci CG



* The location and number of WRB's in the wall assembly are determined by the architect. Contact Hunter Panels for a list of approved WRB's for each assembly.

Typical Physical Property Data Chart

Property	Test Method	Value
Compressive Strength	ASTM D 1621	20 psi* min. (138 kPa, Grade 2)
Dimensional Stability	ASTM D 2126	2% linear change (7 days)
Moisture Vapor Permeance	ASTM E 96	<1 perm (57.5ng/(Pa·s·m ²))
Air Permeance	ASTM E 2178	<0.001 L(s·m ²) at 75 Pa
Impact Resistance (Janka Ball Test)	ASTM D 1037	15
Water Absorption	ASTM C 209	< 0.1% volume
Service Temperature		-100° to 250° F (-73°C to 122°C)
Resistance to Mold	ASTM D 3273	Passed (10)
Recycled Content		9% pre-consumer

*Also available in Grade 3 (25 psi)

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WARNINGS AND LIMITATIONS

Insulation must be protected from open flame. Hunter Panels will not be responsible for specific building design by others, for deficiencies in construction or workmanship, for dangerous conditions on the job site or for improper storage and handling. Technical specifications shown in this literature are intended to be used as general guidelines only and are subject to change without notice. Call Hunter Panels for more specific details.

INSTALLATION

- Xci CG is not a structural sheathing; exterior cladding must be attached through to the framing
- Always follow local codes for structural bracing
- Refer to local codes and practices for placement of the WRB in the wall assembly
- Follow cladding manufacturer's recommendation for attachment requirements
- Some fasteners or adhesives may be required for the insulation
- Compatible with a widespread variety of construction
- Adhesives can be used for attachment to CMU, gypsum and concrete types
- Metal furring strips can be installed on the exterior, fastened through the insulation to the structural wall to create a drainage plane
- Seams can be sealed with construction caulks or spray foam

POST-INSTALLATION EXPOSURE

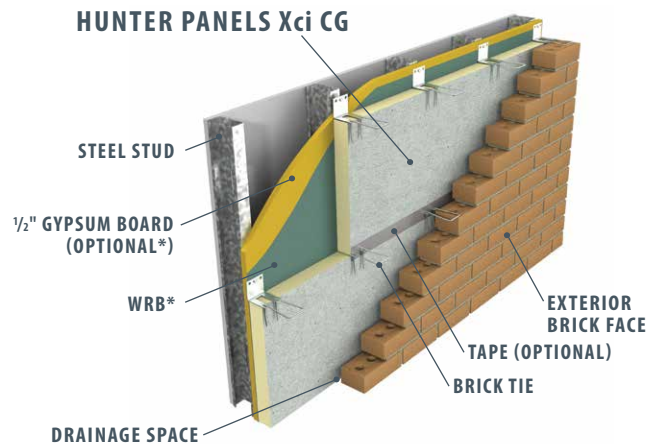
During the time frame between installation of Xci CG and the application of the finished exterior cladding, it is recommended that a building wrap be applied to the Xci CG. If a building wrap has not been specified, ALL UNFACED FOAM EXPOSED TO DIRECT DAYLIGHT (i.e. corners, window and door openings) should be taped with a compatible waterproof tape. Xci CG is not intended to be left exposed for extended periods of time (i.e. in excess of 60 days) without adequate protection. Please contact Hunter Panels for details.

JOB-SITE STORAGE

Good construction practice dictates that all insulations should be protected from moisture and direct sunlight during job-site storage. Pallets of Hunter Panels Xci CG are double packaged in a UV resistant polyethylene bag. This moisture resistant package is designed for protection from the elements during flat bed shipment from our factories to the job-site. Outdoor storage for extended periods of time requires waterproof tarpaulins and elevated storage above ground level a minimum of 2". Additionally, we recommend slitting the bundle packaging vertically down the center of the two short sides to prevent moisture accumulation within the package.

Xci CG Thermal Values		
Thickness (inches)	Thickness (mm)	R-Value
1.0	25	6.0
1.5	38	9.0
2.0	51	12.1
2.5	64	15.3
3.0	76	18.5
3.5	89	21.7
4.0	102	25.0

Thermal values as per ASTM C 518 in accordance with ASTM C 1289.



* Contact Hunter Panels for a list of approved WRB's and a complete list of assemblies where Gypsum is not required.



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888.746.1114

www.hunterpanels.com



LEED POTENTIAL CREDITS FOR POLYISO USE

Energy and Atmosphere

- Optimize Energy Performance

Materials & Resources

- Building Life-Cycle Impact Reduction
- Environment Product Declaration
- Material Reuse
- 9% Pre-consumer Recycled Content
- Construction and Demolition Waste Management

Indoor Environmental Quality

- Thermal Comfort